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# FISH & RICHARDSON P.C., P.A.

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August 9, 2001

Attorney Docket No.: 12175-003001

**Box Patent Application**  
Commissioner for Patents  
Washington, DC 20231

Presented for filing is a new patent application claiming priority from a provisional patent application of:

Applicant: SINING MAO, JANUSZ J. NOWAK, ERIC S. LINVILLE AND JIAN CHEN

Title: HIGH SENSITIVITY TUNNELING GMR SENSORS WITH  
SYNTHETIC ANTIFERROMAGNET FREE LAYER

Enclosed are the following papers, including those required to receive a filing date under 37 CFR §1.53(b):

	<u>Pages</u>
Specification	8
Claims	3
Abstract	1
Declaration	[To be Filed at a Later Date]
Drawing(s)	7

Enclosures:

— Postcard

Request and Certification Under U.S.C. 122(b)(2)(B)(i). (1 page)

Under 35 USC §119(e)(1), this application claims the benefit of prior U.S. provisional application 60/224,182, filed August 9, 2000.

## CERTIFICATE OF MAILING BY EXPRESS MAIL

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August 9, 2001

Page 2

Basic filing fee	\$710
Total claims in excess of 20 times \$18	\$0
Independent claims in excess of 3 times \$80	\$0
Fee for multiple dependent claims	\$0
Total filing fee:	\$710

A check for the filing fee is enclosed. Please apply any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

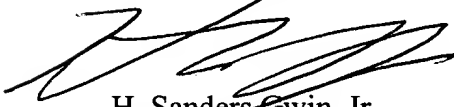
If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (612) 335-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

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Respectfully submitted,



H. Sanders Gwin, Jr.  
Reg. No. 33,242  
Enclosures  
HSG/jxw  
60050598.doc


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**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Sining Mao et al.
Title	HIGH SENSITIVITY TUNNELING GMR SENSORS WITH SYNTHETIC ANTIFERROMAGNET FREE LAYER
Atty Docket Number	12175-003001

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

8/9/01  
Date

  
Signature

H. Sanders Gwin, Jr. # 33,242  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**